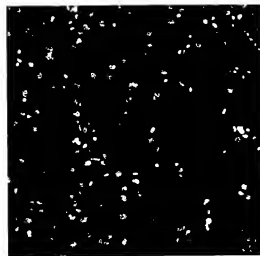


Figure 1



Hoechst 33342 Stain



Green Fluorescent Protein

Figure 2

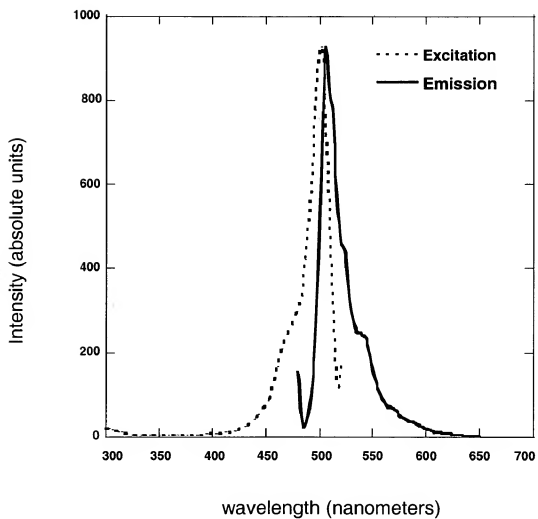


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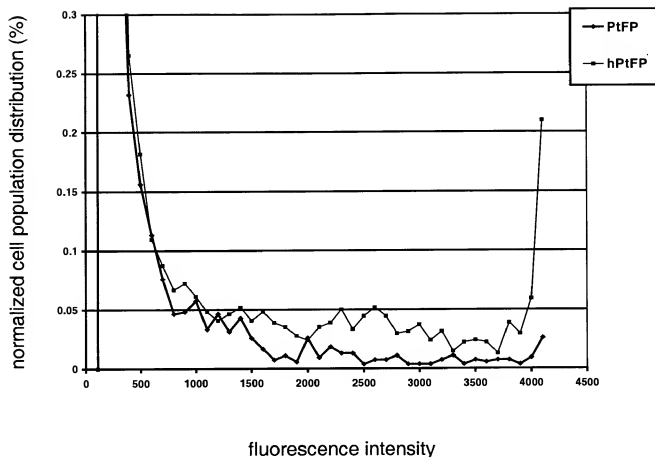
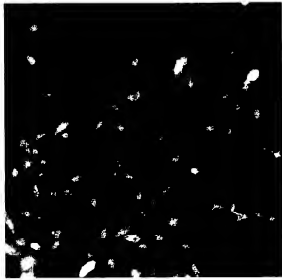


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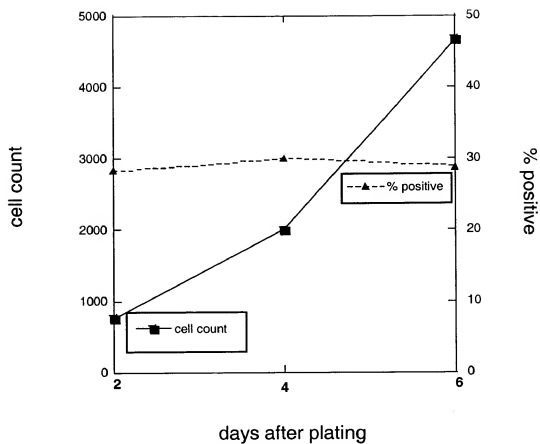


HEK 293 cells



A549 cells

Figure 5



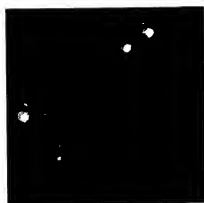
09977897.01102

Figure 6

A



B



C



Figure 7

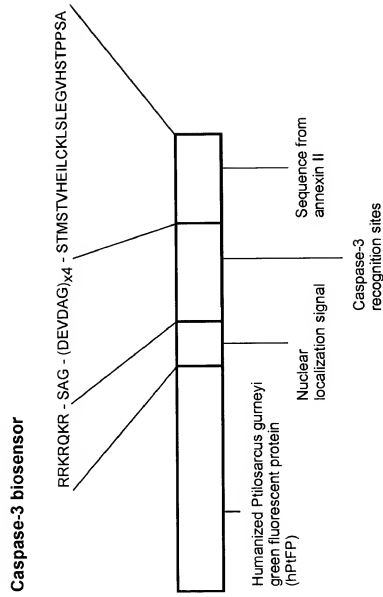
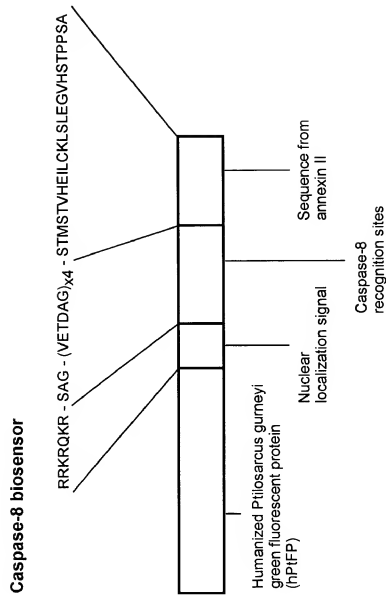


Figure 8



0997597 01102

[illegible]

Figure 10

HindIII

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+1           M   V   N   R   N   V   L   K   N   T   G
1  AAG CTT GCC ACC ATG GTG AAC CGG AAC GTG CTG AAG AAC ACC GGC
   TTC GAA CGG TGG TAC CAC TTG GCC TTG CAC GAC TTC TTG TGG CCG

+1 L   K   E   I   M   S   A   K   A   S   V   E   G   I   V
46 CTG AAG GAG ATC ATG AGC GCC AAG GCC AGC GTG GAG GGC ATC GTG
   GAC TTC CTC TAG TAC TCG CGG TTC CGG TCG CAC CTC CCG TAG CAC

+1 N   N   H   V   F   S   M   E   G   F   G   K   G   N   V
91 AAC AAC CAC GTG TTC AGC ATG GAG GGC TTC GGC AAG GGC AAC GTG
   TTG TTG GTG CAC AAG TCG TAC CTC CCG AAG CCG TTC CCG TTG CAC

+1 L   F   G   N   Q   L   M   Q   I   R   V   T   K   G   G
136 CTG TTC GGC AAC CAG CTG ATG CAG ATC CGG GTG ACC AAG GGC GGC
   GAC AAG CCG TTG GTC GAC TAC GTC TAG GCC CAC TGG TTC CCG CCG

+1 P   L   P   F   A   F   D   I   V   S   I   A   F   Q   Y
181 CCT CTG CCC TTC GCC TTC GAC ATC GTG AGC ATC GCC TTC CAG TAC
   GGA GAC GGG AAG CGG AAG CTG TAG CAC TCG TAG CGG AAG GTC ATG

+1 G   N   R   T   F   T   K   Y   P   D   D   I   A   D   Y
226 GGC AAC CGG ACC TTC ACC AAG TAT CCC GAC GAC ATC GCC GAC TAC
   CCG TTG GCC TGG AAG TGG TTC ATA GGG CTG CTG TAG CGG CTG ATG

+1 F   V   Q   S   F   P   A   G   F   F   Y   E   R   N   L
271 TTC GTG CAG AGC TTC CCT GCC GGC TTC TTC TAC GAG CGG AAC CTG
   AAG CAC GTC TCG AAG GGA CGG CCG AAG ATG CTC GCC TTG GAC

+1 R   F   E   D   G   A   I   V   D   I   R   S   D   I   S
316 CGG TTC GAG GAC GGC GCC ATC GTG GAC ATC CGG AGC GAC ATC AGC
   GGC AAG CTC CTG CCG CGG TAG CAC CTG TAG GCC TCG CTG TAG TCG

+1 L   E   D   D   K   F   H   Y   K   V   E   Y   R   G   N
361 CTG GAG GAC GAC AAG TTC CAC TAC AAG GTG GAG TAC CGC GGC AAC
   GAC CTC CTG CTG TTC AAG GTG ATG TTC CAC CTC ATG GCG CCG TTG

+1 G   F   P   S   N   G   P   V   M   Q   K   A   I   L   G
406 GGC TTC CCT AGC AAC GGC CCT GTG ATG CAG AAG GCC ATC CTG GGC
   CCG AAG GGA TCG TTG CCG GGA CAC TAC GTC TTC CCG TAG GAC CCG

+1 M   E   P   S   F   E   V   V   Y   M   N   S   G   V   L
451 ATG GAG CCC AGC TTC GAG GTG GTG TAC ATG AAC AGC GGC GTG CTG
   TAC CTC GGG TCG AAG CTC CAC CAC ATG TAC TTG TCG CCG CAC GAC

+1 V   G   E   V   D   L   V   Y   K   L   E   S   G   N   Y
496 GTG GGC GAG GTG GAC CTG GTG TAC AAG CTG GAG AGC GGC AAC TAC
   CAC CCG CTC CAC CTG GAC CAC ATG TTC GAC CTC TCG CCG TTG ATG

+1 Y   S   C   H   M   K   T   F   Y   R   S   K   G   G   V

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Figure 10 (continued)

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541  TAC AGC TGC CAC ATG AAG ACC TTC TAC CGG AGC AAG GGC GGC GTG
    ATG TCG ACG GTG TAC TTC TGG AAG ATG GCC TCG TTC CCG CCG CAC

+1  K   E   F   P   E   Y   H   F   I   H   H   R   L   E   K
586  AAG GAG TTC CCT GAG TAC CAC TTC ATC CAC CAC CGG CTG GAG AAG
    TTC CTC AAG GGA CTC ATG GTG AAG TAG GTG GTG GCC GAC CTC TTC

+1  T   Y   V   E   E   G   S   F   V   E   Q   H   E   T   A
631  ACC TAC GTG GAG GAG GGC AGC TTC GTG GAG CAG CAC GAG ACC GCC
    TGG ATG CAC CTC CTC CCG TCG AAG CAC CTC GTC GTG CTC TGG CGG

+1  I   A   Q   L   T   T   I   G   K   P   L   G   S   L   H
676  ATC GCC CAG CTG ACC ACC ATC GGC AAG CCT CTG GGC AGC CTG CAC
    TAG CGG GTC GAC TGG TGG TAG CCG TTC GGA GAC CCG TCG GAC GTG

                                NotI
                                -----
+1  E   W   V   *
721  GAG TGG GTG TAA AGC GGC CGC
    CTC ACC CAC ATT TCG CCG GCG

```

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The coding sequence (from start codon to stop codon):

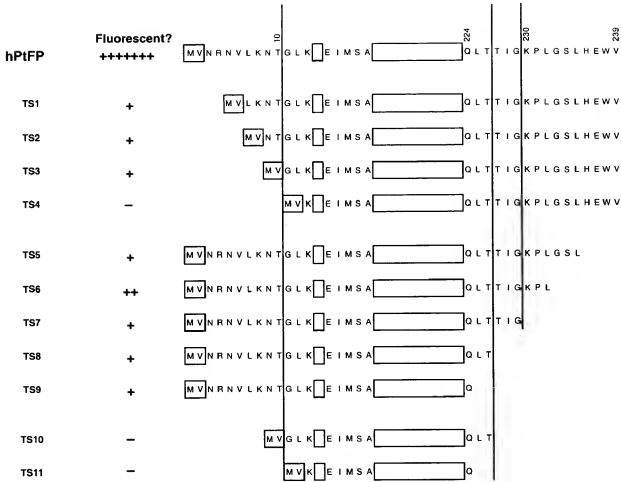
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Figure 11

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Figure 12

Figure 13



09977897-011102

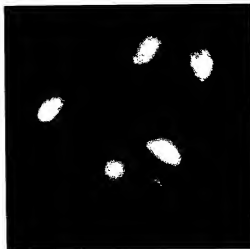
Figure 14



no treatment



Staurosporine
10 nM 6 hours

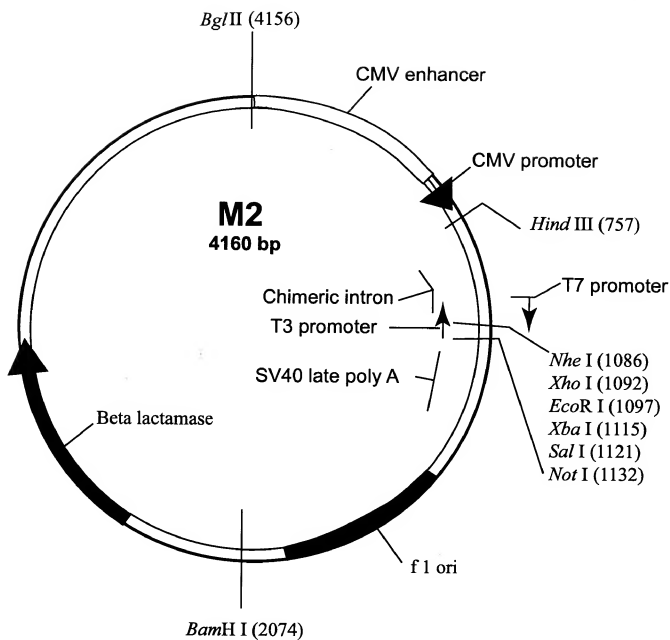


Staurosporine
1 nM 24 hours

UUU F 0.45 (185619)	UCU S 0.18 (161556)	UAU Y 0.43 (133427)	UGU C 0.45 (108740)
UUC F 0.55 (225633)	UCC S 0.22 (192616)	UAC Y 0.57 (174805)	UGC C 0.55 (134523)
UUA L 0.07 (79303)	UCA S 0.15 (128429)	UAA * 0.29 (8187)	UGA * 0.50 (14381)
UUG L 0.13 (135218)	UCG S 0.06 (49456)	UAG * 0.21 (5913)	UGG W 1.00 (142435)
CUU L 0.13 (139089)	CCU P 0.28 (189374)	CAU H 0.41 (113684)	CGU R 0.08 (51100)
CUC L 0.20 (210903)	CCC P 0.33 (219428)	CAC H 0.59 (162826)	CGC R 0.19 (118404)
CUA L 0.07 (75667)	CCA P 0.27 (182506)	CAA Q 0.26 (130857)	CGA R 0.11 (68664)
CUG L 0.40 (435317)	CCG P 0.11 (76684)	CAG Q 0.74 (377006)	CGG R 0.21 (126679)
AUU I 0.35 (174021)	ACU T 0.24 (140780)	AAU N 0.46 (186915)	AGU S 0.15 (131222)
AUC I 0.49 (240138)	ACC T 0.36 (213626)	AAC N 0.54 (218376)	AGC S 0.24 (211962)
AUA I 0.16 (78463)	ACA T 0.28 (162837)	AAA K 0.42 (262630)	AGA R 0.20 (125600)
AUG M 1.00 (244236)	ACG T 0.12 (69346)	AAG K 0.58 (359627)	AGG R 0.20 (123646)
GUU V 0.18 (119013)	GCU A 0.26 (202329)	GAU D 0.46 (245435)	GGU G 0.16 (118798)
GUC V 0.24 (160764)	GCC A 0.40 (310626)	GAC D 0.54 (287040)	GGC G 0.34 (258410)
GUA V 0.11 (76398)	GCA A 0.23 (173010)	GAA E 0.42 (317703)	GGA G 0.25 (180955)
GUG V 0.47 (317359)	GCG A 0.11 (82647)	GAG E 0.58 (441298)	GGG G 0.25 (180001)

Figure 15

Figure 16



09977897.01102

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Figure 17

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Figure 17 (continued)

Figure 18

